

REMARKS/ARGUMENTS

Favorable reconsideration of this application, as presently amended and in light of the following discussion is respectfully requested.

Claims 1-13 are pending in the outstanding Action. Claims 1, 7 and 13 are amended by the present response. Claim amendments find support in the disclosure as originally filed. Thus, no new matter is added.

Claims 1-13 were rejected under 35 U.S.C. §102(e) as anticipated by Ellis et al. (U.S. Pat. Pub. No. 2006/0140584, herein “Ellis”).

Addressing now the rejection of Claims 1-13 under 35 U.S.C. §102(e) as anticipated by Ellis, Applicants respectfully traverse this rejection.

Claim 7 recites, in part,

a setting step of setting a keyword;
a broadcast signal reception step of receiving a broadcast signal broadcast from a broadcast station;
a first recording step of temporarily recording a last predetermined amount of the broadcast signal received by said broadcast signal reception step as broadcast data in a buffer on a recording medium;
a communication step of repeatedly transmitting request information to an external apparatus every predetermined interval of time to request real-time broadcast information corresponding to contents of said broadcast signal currently being received, and receiving the real-time broadcast information which said external apparatus transmits in response to each transmission of said request information;
a detection step of detecting whether or not said real-time broadcast information received by said communication step includes said keyword; and
a second recording step of recording said broadcast data on said recording medium as new recorded broadcast data in response to said detection step detecting that said real-time broadcast information includes said keyword, such that a part of said broadcast data temporarily recorded in said buffer is stored as a first portion of the new recorded broadcast data.

Claims 1 and 13 recite corresponding apparatus and computer readable medium claims.

Ellis describes a PVR which is able to use keywords entered by the user to discover upcoming programs or previously recorded programs which match the entered keyword.

However, Ellis never describes or suggests repeatedly transmitting request information to an external apparatus every predetermined interval of time to request real-time broadcast information corresponding to contents of said broadcast signal currently being received, detecting whether or not said real-time broadcast information received by said communication step includes said keyword and recording said broadcast data on said recording medium as new recorded broadcast data in response to said detection step detecting that said real-time broadcast information includes said keyword, such that a part of said broadcast data temporarily recorded in said buffer is stored as a first portion of the new recorded broadcast data, as is recited in Claim 7.

In other words, while the claimed invention recites continuously polling an external apparatus for real-time broadcast information regarding the broadcast signal currently being received and recording the new recorded broadcast data beginning at the point in the program when a set keyword matches the real-time broadcast information corresponding to the current content, Ellis merely describes using keywords to identify programs which the user may be interested in watching/recording.

The outstanding Action, states on page 3 that paragraphs 0174-0175 of Ellis describe the communication step of repeatedly transmitting request information, Applicants respectfully traverse this assertion.

Specifically, paragraph 0174 of Ellis merely describes that a set-top box can be placed between the PVR and the client and can act as an intermediary. Further, paragraph 0175 merely states that personalization information can be stored on the set-top box and this personalization information can be used to record programs which match the user's preference.

However, neither paragraph 0174 nor 0175 of Ellis makes any mention of repeatedly transmitting request information to an external apparatus every predetermined interval of time to request ***real-time broadcast information corresponding to contents of said broadcast signal currently being received.***

In other words, the communication step of Claim 7 sends repeated requests which result in the reception of ***real-time broadcast information*** which corresponds to the broadcast signal ***currently being received.*** This feature is nowhere to be found in the cited paragraphs 0174-0175 of Ellis or any other portion of Ellis. Instead, in Ellis, a previously downloaded interactive television program guide is used for keyword comparison.

Furthermore, the outstanding Action cites paragraph 0029, 0229 and 0230 of Ellis as describing the second recording step of Claim 7, Applicants respectfully traverse this assertion. Specifically, Claim 7 recites recording said broadcast data on said recording medium as new recorded broadcast data ***in response to said detection step detecting that said real-time broadcast information includes said keyword.*** However, as is noted above, nothing in Ellis describes recording broadcast data as new recorded broadcast data in response to detecting that real-time broadcast information includes a particular keyword.

Thus, the claimed invention is able to record the specific content which directly relates to the set keyword by constantly checking the information related to the broadcast and starting to record the new recorded broadcast data when the keyword is detected. This feature is not provided in disclosure of Ellis.

In addition, with regard to the feature recited in Claim 7 that the part of said broadcast data temporarily recorded in said buffer is stored as a first portion of the new recorded broadcast data, the outstanding Action cites paragraph 0239 of Ellis as disclosing this feature. Applicants respectfully traverse this assertion.

Specifically, paragraph 0239 of Ellis describes that a user is able to modify the before/after padding time which enables the user to ensure that no portion of the program is missed due to early/late program airing. However, Applicants note that this portion of Ellis is not equivalent to moving broadcast data from a buffer to the recording medium so that the temporary stored data is stored as the first portion of the new recorded broadcast data.

In other words, in the claimed invention, when a keyword in the real-time broadcast information triggers the system to record the new recorded broadcast data, the first portion of the broadcast data which is stored in the buffer is moved to the recording medium to be the first portion of the new recorded broadcast data. This feature is useful because it is possible that the keyword in the real-time broadcast information that triggers the recording may show up after a program has started. Thus, the claimed invention is configured such that a part of said broadcast data temporarily recorded in said buffer is stored as a first portion of the new recorded broadcast data. This feature is not disclosed in Ellis.

Accordingly, Applicants respectfully submit that Claim 7 and similarly Claims 1 and 13, and claims depending respectfully therefrom, patentably distinguish over Ellis.

Consequently, as no further issues are believed to be outstanding in the present application, the present application is believed to be in condition for formal Allowance. A Notice of Allowance for the claims is earnestly solicited.

Respectfully submitted,

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